

GREATER CREEK SCHOOL
47°31' N
106°00' W

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HOME CREEK BUTTE QUADRANGLE
MONTANA—POWDER RIVER CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

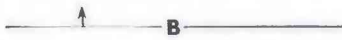
OPEN FILE REPORT 79-091
PLATE 22 OF 41

OPEN-FILE REPORT
This report has not been edited for conformity with
U.S. Geological Survey editorial standards or
stratigraphic nomenclature.

EXPLANATION



NON-FEDERAL COAL LAND—Land for which the
Federal Government does not own the coal rights.



BOUNDARY OF COAL 5 FEET OR MORE THICK—
Drawn along the outcrop of coal bed and/or the inferred
contact between burned and unburned coal, and/or the
5-foot coal isopach. Arrows point toward area of coal
5 feet or more thick.



POINT OF MEASUREMENT ON COAL BED

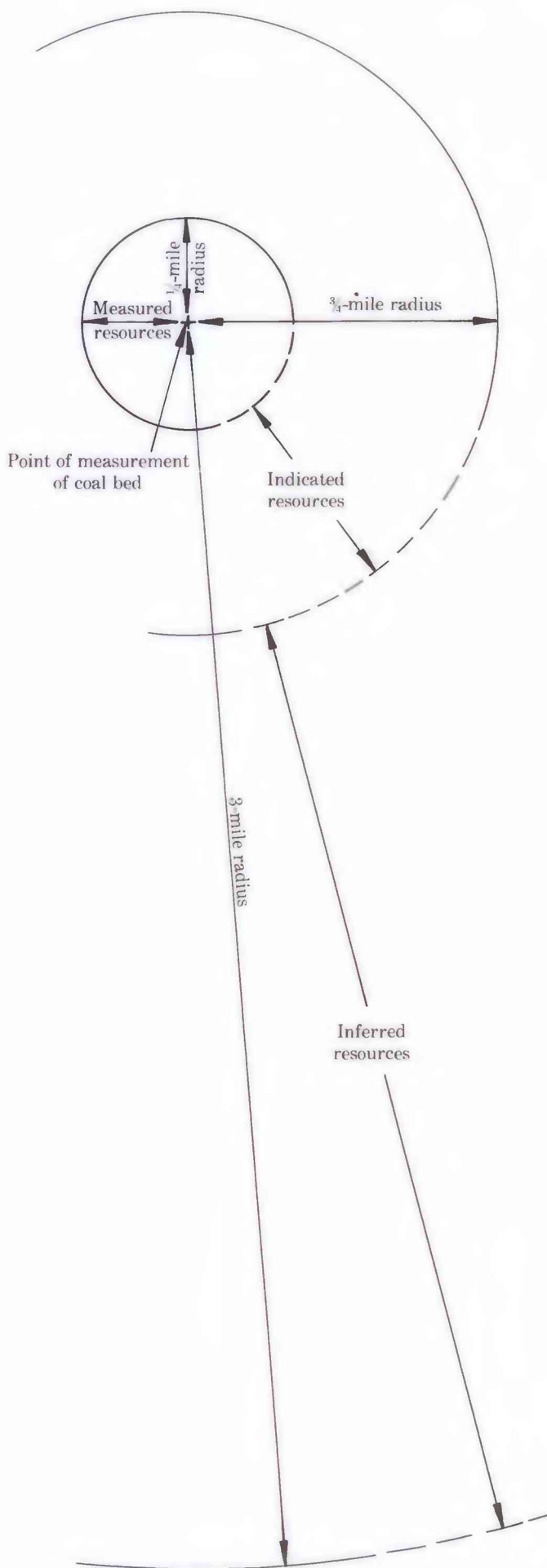


DIAGRAM SHOWING COMPONENT AREAS OF
IDENTIFIED COAL RESOURCES—Shows arcuate
boundary lines enclosing areas of measured, indicated,
and inferred coal resources. Boundaries of areas are
dashed where projected from an adjacent quadrangle.
Areas of measured, indicated, or inferred resources
may be present on this map without their outer
boundaries being shown.

RB	R (85%)	
0.12	0.10	(Measured resources)
0.59	0.51	(Indicated resources)
0.16	0.13	(Inferred resources)

IDENTIFIED COAL RESOURCES—Showing totals for
Reserve Base (RB) and Reserves (R), in millions of short
tons, for each section or part(s) of a section of Federal
coal land within the stripping-limit line. Dash indicates
no resources in that category. Reserve Base (RB) X the
Recovery Factor (85 percent) = Reserves (R).

NOTE: No stripping-limit line is shown because there is less
than 500 feet of overburden above the Reserve Base coal.
Consequently, all coal shown has a recovery factor of 85
percent.

To convert short tons to metric tons, multiply short tons by
0.9072.

To convert feet to meters, multiply feet by 0.3048.

To convert miles to kilometers, multiply miles by 1.61.

Compiled in 1977

RB	R (85%)
0.41	0.35

RB	R (85%)
0.12	0.10
0.59	0.51
0.16	0.13

RB	R (85%)
0.11	0.10
0.06	0.05

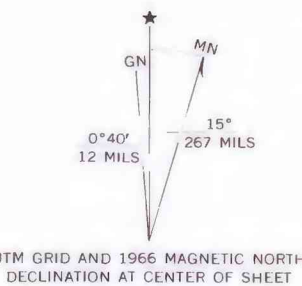
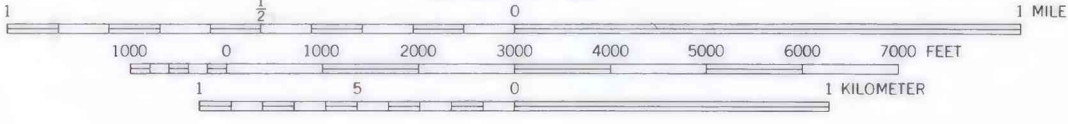
RB	R (85%)
0.29	0.25
0.18	0.15

RB	R (85%)
0.10	0.08

Base map from U.S. Geological Survey, 1966

(THREEMILE BUTTES)
48°51' N
105°52' W

SCALE 1:24 000



COAL RESOURCE OCCURRENCE MAP OF THE HOME CREEK
BUTTE QUADRANGLE, POWDER RIVER COUNTY, MONTANA
BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979

PLATE 22
AREAL DISTRIBUTION AND TONNAGE
MAP OF IDENTIFIED RESOURCES
OF THE ELK COAL BED